

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 14 FEET WIDE. Side Slopes 1 1/2 TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MADE IN GERMANY.

R.

BRIDGE & CULVERT SUR.

53-J, K, L, M & N

56-64

50-A

65

51-A

66

52-A

67

43-A, B, C & D

68-74

48 A, B

75-77

1
Alphabetical Index

A	12	T	31
B	13	U	32
C	14, 38	V	33
D	15	W	34
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G	18	Z	37
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S	30		

NUMERICAL ORDER

No.	Contents	
1	East Claridon South Imp.	
2	Hambden-Montrville Town Line Imp	Claridon Huntsburg Town Line Imp. Sec B
3	Chardown-Munson Center Rd	Transit Levels notes
4	Same	Levels Transit
5	Chillicothe Road Sec E	Russell Imp.
6	Steele's Crossing - Grangerich & S	Transit
7	Steele's County Home Rd.	levels
8	Claridon Center North Imp.	
9	Leyland Morgan Rd Middlefield & Huntsbury	Level
10	Wells Street Imp.	
11	East Claridon North Imp.	
12	Tillotson's Corners East Imp.	
13	Auburn Ditch Sidewalk grades in	Chester Water St Sewer Extension
14	Thompson Center East Imp.	
15	Baldwins Corners North Imp.	
16	Burton Claridon Resurfacing	Imp.
17	Taylor St Dunn St Rock	Haven Road Kellogg School Survey
18	Montrville north & south	Center

No.	Contents	
19	Mulberry Corners West Imp	Grant Battles Road Chester Twp.
20	Jug Street	
21	Bass Lake Ditch	
22	Mumford Road	
23	" "	Grove Road Parkman Twp.
24	Chillicothe Road Sec D	Bainbridge Twp.
25	" " "	"
26	" " "	"
27	" " "	"
28	" " "	"
29	Claridon macadam	
30	Chillicothe Road Sec D	" Love Ditch
31	Chillicothe Road Sec B	Russell Twp - Francis
32	same	" " - Lewis
33	Snyders Corners North	*Whitney Road - Montville Twp.
34	Ensign Road	
35	" " Fair Grounds	Survey, 5 Hamblen Rd Huntsburg
36	Parkman Nelson Road	

No	Contents
37	Pettibone Road Imp.
38	Parkman - Burdysburg Road Imp.
39	Old State Road Sec E Johnsons Corners North Middlefield Twp
40	Spencer Street - and Middlefield North to Johnsons Corners
41	Burton Sta - Johnsons Corners Rd
42	Burton - Burton Sta Rd
43	^{Chagrin River Bridge - Wilsons Mills Rd.} Solon Bainbridge Bridge Grand River Bridge, Chagrin River Bridge, Swine Creek Bridge
44	Fowlers mill north Sealand Sta. road Seals
45	County Line - " Chester Twp. - Preliminary - 8-30-1920
46	Parkman Burdysburg Road
47	Moss Road
48	Parkman Nelson Road
49	Wilson Mills Road Chester Twp Location
50	" " " " Levels
51	Brown's Cor. Rd., N. + S. Rd. past Geo. Munn's, Magnetic Springs Road in ^{Chardon} Hanson , Stafford Rd, Auburn
52	Wilson Mills Road Chester Twp. Supt.
53	Wilson Mills Road Chester Twp. Supt.
54	Burton Chester Road Monson Twp

No	Contents
55	County Line Road, Chester Twp; Survey for Standard Oil Co, Burton Sta.; Giles Rd, Valley Rd, (also see 65)
56	Hotchkiss Road Transit
57	Scotland Sta. Easterly I.C.H. 15-D
58	Mitchells Mill Bridge
59	Bridges E & W Center Rd, in Munson; Worthington Cor. North in Chardon Twp; McFarland Creek Bridges;
60	Miscellaneous Surveys - County Garage; Wood Rd; Chester, Munson, Tenning Rd; Ditch in Thompsons; Colverton Bell St; etc
61	Newbury Township Roads. (see also 125)
62	Bainbridge Sdon Rd, Snyders Cor. South Rd., Bainbridge Gauga Lake Rd,
63	South Hamden St. Imp. Hamden Twp.
64	Cedar Rd. Chester Tp.
65	Hotchkiss Rd. Levels
66	Fowles Mill road
66	Scotland Sta. Easterly (Levels) Downing Cor. West. <u>Munson.</u>
67	Scotland Sta. North. (Transit)
68	^{same}
69	Chillicothe Rd. Chester (Levels) Transit.
70	same levels
71	same levels
72	Middlefield Parkman Rd. levels.

- | | | |
|----|---|-----------------|
| 73 | Burton Claridon Rd. Sec B | (levels) |
| 74 | same Sec A. | (levels) |
| 75 | same Sec B | (transit) |
| 76 | same Sec 4 | (transit) |
| 77 | Hubbard Rd & Jess St.
county stone rd. | |
| 78 | Stalls Crossing. Fitzgerald Ave. | level |
| 79 | S W Burton Rd. & Georgia Rd | |
| 80 | Bainbridge Chagrin Falls Winy. | level |
| 81 | same | level |
| 82 | same | transit |
| 83 | Taylor Rd. Bainbridge Sup. | |
| 84 | Chardon Mentor Rd | transit |
| 85 | same | level |
| 86 | Chardon Kentland Rd and | Bridge |
| 87 | Old State Hambleton Sp. | Transit |
| 88 | same | level |
| 89 | Mud Rd Hambleton Sp. | 2 Williams Rd. |
| 90 | Hambleton Prokeman Rd. | |
| 91 | Chardon Hambleton E & W Center | Rd. & Lewis Rd. |

- | | | | |
|-----|---------------------------|-----------------|--------------------------|
| 92 | Bass Lake Rd. | transit | |
| 93 | same | level | |
| 94 | Bass Lake Rds. | Adjustment | |
| 95 | Munson - Chester | Town Line | |
| 96 | Mulberry Corners | Munson | |
| 97 | Bass Lake Rd, Attention 2 | | Chardon Munson Town Line |
| 98 | Wilson Mills Rd. | Munson | transit |
| 99 | same | | level |
| 100 | Popis Corners Rd. | transit | |
| 101 | same | levels | |
| 102 | Foy Center | Steels Crossing | transit |
| 103 | same | | levels |
| 104 | Noah Woodland | West Sec. 4 | |
| 105 | Noah Woodland | East | |
| 106 | Davis Cors. E, | Halls Cors. E, | Walters Rd. |
| 107 | Hemlock Point Rd | (Leads) | transit |
| 108 | same | | levels |
| 109 | Watt Rd 2 | Hompson Sup. | Ditch |
| 110 | Wilsous Cors: | North | Transit |

- 111 Wilsons Cor. north
 112 Huntsburg N. & S. Center
 113 ~~same~~
 114 Middlefield Huntsburg
 1154 Hill Rd
 1165 same
 1176 NE Huntsburg
 1187 Nile Rd.
 1198 Baldwin's Cor. South
¹⁹~~120~~ Thompson Leroy Transit
²⁰ 121 same ~~Transit~~
²¹ 122 ~~same~~ level
¹²²~~122~~ Middlefield Huntsburg
¹²² 123 Leggett Morgan Rd.
 124 Soules Cor. Newberry
 125 Newberry Sup.
 126 Huntsburg N & S Center Rd
 127 Mulberry Corner's Rd. East
 128 North Burton Rd. do.
 129 N & S Center Rd. Middlefield Tp.

- levels
 levels
 Supt Facing Rd.
 transit
 transit
 levels
 Transit
 levels
 Transit
 levels
 Clay Street
 Chester Twp.
 Solon Road Bridge
 South of S.R. #87.

9

11

12

ALPHABETICAL ORDER

A

13 Auburn Ditch

B

- | | | |
|----|-----------------------------------|--------------|
| 15 | Baldwins Corners North Imp. | Montrille |
| 16 | Burton Claridon Resurfacing | Levels |
| 19 | Grant Battles Road Imp. | Chester |
| 41 | Burton Sta-Johnsons Corners Rd | |
| 51 | Brown's Corners Road, Auburn. | |
| 54 | Burton Chester Rd Munson Twp. | |
| 59 | Bainbridge Twp. McFarland | Creek Bridge |
| 60 | Bell St. culvert SRussell Vill. | |
| 62 | Bainbridge Solon Rd Bainbridge | Twp. |
| 62 | Bainbridge Geauga Lake Rd " | " |
| 43 | Bussman Survey Claridon Twp. | |
| 21 | East Lake Ditch. | |
| 73 | Burton Claridon Rd Sec | B levels |
| 74 | " " | A levels. |
| 75 | " " | B transect |
| 76 | " " | A transect |
| 99 | Burton SW Rd | |
| 80 | Bainbridge Chagrin Falls Diagonal | Rd. Levels. |
| 81 | " " | Levels |
| 82 | " " | Transect. |
- (Continued to page 43)

14

C

2 Claridon Huntsburg Town Line Imp

Field Notes

3

4

5 Chillicothe Road Sec E

Russell Twp Field Notes

6

7

8 Claridon Center North.

Field Notes

9

10

24 Chillicothe Road Sec D

Locations

25

" " "

Field Notes

26

" " "

X Sections

27

" " "

X Sections

28

" " "

Supt

29

" " "

30

" " "

Supt

43 Chagrin River Bridge (Pettibone Road)

43 County Highway 45

(continued on page 38)

15

D

17 Dunn Street

60 Ditch Survey Thompson Twp.

60 Dron Survey Huntsburg Twp.

21 Ditch Bass Lake Outlet

66 Downings Cor. W. Rd

106 Dimes Cor. E. Rd. Russell Twp.

Huntsburg Twp

16

E

1 East Claridon South Imp

11 " " North Imp

34 Ensign Road

35 " "

Field Notes

Levels

F

- 43 Fair Grounds Survey, 537A page 49 Harmon parcel
- 43 Fair Grounds Survey page 45 Crasley parcel
- 44 Fowlers Mill N. Rd.
- 713 Faugier Rd Huntburg Twp.
- 61 Frosts Cor - Fullerton Rd
- 23 Frame Cor. N Road Parkersburg Twp

6

- 43 Grand River Bridge
- 23 Grove Road Parkman Twp
- 43 Geauga Lake Road
43. Geauga Co. Agri. Society Survey, 537A
- 43 Geauga-Lake Co Line references on Chardon Kirtland Road
- 62 Geauga Lake-Bainbridge Rd. Bainbridge Twp.
- 79 Georgia Rd.
- 61 Greens Xing East.
- 55 Giles Rd Suber Twp

- | | | |
|-----|---------------------------------|---------------------|
| H | | |
| 2 | Hambden Montville Town Line Rd | See Field notes |
| 2 | Huntsburg Clendon " " Rd | See B |
| 56 | Hotchkiss Road | Burton Twp transect |
| 51 | Harris Cor. Road (Brown & N) | Newbury Twp |
| 65 | Hotchkiss Rd | levels |
| 77 | Hubbard Rd | |
| 90 | Hambden Beckman Ct. | |
| 91 | Hambden Chardon E & W Center Rd | |
| 106 | Halls Cor. E. Rd. Russell | Twp. |
| 107 | Hemlock Pt. Rd. Russell | " transect |
| 108 | " " " " | " levels |
| 112 | Huntsburg N & S Center Rd | levels |
| 113 | " " " | sub. |
| 114 | Hill Rd Huntsburg Twp | transect |
| 115 | " " " " | levels |
| 116 | Huntsburg N.E. Rd | |
| 117 | Huntsburg Clendon Town line Rd | |
| 125 | Hotchkiss Rd. Newbury | Twp. |
| 126 | Huntsburg N & S Center Rd | Location |

20

I

J

20 Jug Street Troy Twp

41 Johnsons Corners Burton Sta Rd

40 " " to Middlefield Rd

39 " " North

77 Jug St. Burton Twp.

Field Notes

Sept

Middlefield

22

K

- 17 Kellogg School House Survey
86 Kirtland Chardon Rd.
86 Kirtland Chardon Rd. Bridge
117 Kite Rd.

Claridon Twp

L

- 43 Lake George Co. Line references
 30 Lowe Ditch Bainbridge Twp.
 9 Leggett Morgan Rd
 87 Campmans Corn Old State Rd
 88 " " "
 91 Lewis Rd Hambleton Twp.

on Chardon Kirtland Road.

Hambleton Twp. Transit
 " levels

27

M

19 Mulberry Corners West Imp

Chester Twp.

22 Mumford Road

Field Notes

23 " "

Supt

38 Minterns Corners Bundysburg Road

Road

40 Middlefield to Johnsons

Corners

47 Moss Road

Huntsburg Twp.

51 Magnetic Springs Road, Chardon.

58 Mitchell Mill Bridge

Chardon Twp.

59 Munson Twp. E & W Center Road Bridge

59 McFarland Creek Bridge

Barn bridge Twp.

60 Munson Chester Town Line Road

43 Moseley Road culverts

Thompson Twp.

51 Munn ^{Gravel Pit} Road Newbury Twp

(Harry's Con Road)

3 Munson ^{Center} Chardon Road

Transit

4 " " " "

levels

3 9 Morgan Leggett Rd.

18 Montville N & S Center Rd

72 Middlefield Parkman Rd

levels

84 Mentor Chardon Rd

transit

85 " " " "

levels

continued to pg 42

N

51 North + South Road past ^{Newbury} Geo. Munns,

61 Newbury Township Road

104 N Woodland Rd. W. Sec A

105 " " " E Sec B

116 NE Heintzberg Rd.

0

39 Old State Road Sec E

11 " " " N. of E. Claridon

1 " " " S. of E. Claridon

87 " " " Hubbard Twp

88 " " " "

Middlefield Twp.

transit

levels

P

- | | | |
|-----|----------------------------|------------------|
| 36 | Parkman Nelson Road | Parkman Twp. |
| 37 | Pettibone Road | Bainbridge Twp. |
| 38 | Parkman (Minterns Corners) | Bondysburg Road. |
| 41 | Parkman Nelson Road | |
| 46 | Parkman Bondysburg Road | |
| 23 | Parkman Grove Road | Parkman Twp. |
| 48 | Parkman Nelson Road | |
| 43 | Pettibone Bridge | Bainbridge Twp |
| 43 | Chas Presley Survey | Chardon Twp |
| 72 | Parkman Middlefield Rd | levels |
| 100 | Popes Cor. Rd. | traverse |
| 101 | " " | levels |
| 125 | Purderman Mill E. Rd | |
| 125 | Potters Cor. Southbury Rd. | |
| 61 | Pekin Rd. | |
| 61 | Potters Cor. N. Rd | |
| 47 | Princeton Road | |

28

D

29

R

17 Rock Haven Road

Munson Twp.

S

- 12
12
33 Snyder's Corners North Rd
39 State Road Sec E
40 Spencer Street
43 Solon Bainbridge Bridge
43 Swine Creek Bridge
51 Stafford Road, Auburn.
55 Standard Oil Co. Survey Burton Sta.
57 Scotland Sta. Easterly ICH 15-D
60 South St. Culvert Bainbridge Twp.
60 Survey for J. Dron. Huntsburg Twp.
43 Geo Shattuck Survey Hambden Twp.
62 Solon Bainbridge Rd
62 Snyder's Cor. South Rd. Bainbridge Twp.
45 Stafford Hill (CH No 4) Location and Levels
63 South Hambden Street Imp. Hambden Twp.
43 Spencer School Cut Off (County Highway No 45) Claridon Twp.
6
7
("Continued to p 39")

Bainbridge Twp.

Middlefield Twp.

Claridon Twp.

Bainbridge Twp.

Parkman Twp.

Bainbridge Twp.

Hambden Twp.
Claridon Twp.
transverse
levels

T

- 12 Tillotsons Corners East Imp.
 14 Thompson Center East Imp.
 17 Taylor Street Claridon Twp.
~~18 Time book for DGDct.~~
 60 Thompson Twp. Ditch Survey
 83 Taylor Rd. Bambridge Twp.
 102 Troy Chr. - Steeles Xing Rd.
 103 " " "
 109 Thompson Ditch.
 119 Thompson Troy Rd.
 120 " " "
 121 " " "

Thompson Twp.

~~May to Dec 1928~~transit
levelstransit
"
levels

32

U

33

✓

55 Valley Road Auburn Twp.

W

- | | | | |
|---------------|--------------------------------|-----------------|-------------------|
| 10 | Wells Street | Field Notes | Claridon Twp. |
| 12 | Water St Sewer Extension | | |
| 49 | Wilson Mills Road | Chester Twp | Field Notes |
| 50 | " " " | " | Levels |
| 52 | " " " " | " | Sop. t |
| 53 | " " " " | " | Sop. t |
| 43 | Wilson Mills Bridge | | Chester Twp |
| 59 | Worthington Cor. North culvert | | Chardon Twp. |
| 60 | Wood Road | Bainbridge Twp. | |
| 89 | Williams Rd | Bainbridge Twp | |
| 98 | Wilson Mills Rd | Mason Twp. | transect |
| 99 | " " | " " | levels |
| 106 | Walters Rd | Russell Twp. | |
| 109 | Watt Rd | " " | " |
| 110 | Wilson's Cor. N. Rd | | |
| 111 | " " " | | |
| 35 | Geo Warren Survey | Burton Village | |

X

36

Y

37

Z

C

- 43 Chagrin River Bridge (Wilson Mills Rd. Chester Tp.)
- 54 Chester Burton Road Munson Twp.
- 55 County Line Road Chester Twp.
- 59 Chagrin River Bridge E & W Center Road Munson Twp.
- 59 Chardon Twp. Northington Cor. North culvert.
- 60 County Garage Survey Burton
- 60 Chester Munson Town Line Road
- 60 Culvert on Bell St. S Russell Vill.
- 60 " " South St. Bainbridge Twp.
- 43 Cedar Road culvert location 2500 E. of County Line (road located later)
- 43 County Highway No 18 Parkman Twp. Location.
- 43 Caves Road Russell Twp
- 45 Center Chardon North (C.H. No. 4) Location & Levels
- 43 Cedar Road Location County Line East to Caves Road Chester Twp
- 29 Chardon Macadam
- 3 Chardon Munson Center Rd Transit
- 4 " " " " Levels
- 31 Chillicothe Rd Sec B
- 32 " " " "

(continued on page 40)

5

- 66 Scotland Sta. E Rd. Levels
 67 " " N Rd. transect
 68 " " N Rd. Levels
 78 Smiths King N Rd.
 79 SW Burton Rd.
 124 Soules Car Rd. Newberry Twp.
 61 Smiths King E. Rd.
~~45 Stafford Hill Chardon Twp.~~
 35 South Hamden Road Huntsburg Twp.
 60 South St Culvert Cambridge Twp.

C	Cedar Rd	Chester	trp.	
69	Chillicothe Rd	Chester	trp.	transit
70	"	"	"	levels
71	"	"	"	"
73	Chardon Center Rd	Sec B		levels
74	"	"	A	"
75	"	"	Sec B	transit
76	"	"	A	"
78	County Home Rd.			
80	Chagrin Falls Scambridge	Diagonal Rd		levels
81	"	"	"	levels
82	"	"	"	transit
84	Chardon Mentor Rd.			transit
85	"	"		levels
86	Chardon Kirtland Rd			
86	Chardon Kirtland Rd		Bridge	
91	Chardon Hamden	E & W Center	Rd.	
95	Chester Munson	Town Line	Rd	
97	Chardon Munson	Town Line	Rd	
117	Chardon Huntburg	Town Line	Rd (Kile Rd)	
	(continued on page 41)			

C
129 Chester Benton Rd Newberg Twp.

126 Clay Street

M

- 89 Mud Rd Hambden Twp.
- 95 Munson Chester town line Rd
- 96 Mulberry Cr Rd Munson Twp.
- 97 Munson Chardon town line Rd
- 122 Middlefield Huntshurg Center Rd. transect
- 123 " " " " cross
- 125 Music St E. of Center Rd.
- 61 Music St.
- 61 Mansfield Rd.

- B
- 92 Bass Lake Rd transit
- 93 " " levels
- 94 " Rds Albatmit
- 97 " Rd Salsenon Munsen trap.
- 97 Burdicks Cor. W Rd.
- 118 Baldwins Cor S. Road
- 125 Beeton Center Rd Newby trap.
- 35 Beeton Bd of Education Seevey

14
6x3 1/2 - 5

7-E 887 4yd Chandler
Auburn

May 26 IIII-III
May 27 IIII-
May 28 IIII II

30

Burton Chester R

May 29 II - III
" - 31

June 1 - Carver R
June 2 -
" 3

R 8-K 832 4yd ✓

May 26 - IIII-III
" - 27 - IIII- II } 29
May 28 - III-III I

Burton Chester R

May 29 - III
" - 31 IIII II
June III

Carver Road
June 1 - IIII }
June 2 - IIII IIII - 14
" - 3 IIII 4

7-0 756 3 1/2 2d

Chordea rubrum

7-0 882-4 yd

May 26 - IIII-III

May 27 IIII-III } 32

May 27 - IIII II

Buston Chests R

May 28 - I - IIII

" 31 - IIII III

June 1 - IIII

June 1 - Carex R

June 1 - IIII

June 2 - IIII III

" 3 I

May 26 - IIII-III

May 27 IIII-III - 17 33

May 27 - IIII III

Buston Chests R

May 28 - II - IIII III 24

" 31 - IIII III

June 1 - IIII

June 1 - Carex R

June 1 - IIII

June 2 IIII IIII III

" 3 IIII

46

> - 0 583 474

Chord

ambur

G.F.

742

3 1/2 yds

May 26 - IIII - IIII

" 27 IIII - II

May 28 - IIII II

33

Burton Chester R

May 29 II - IIII

May 30 IIII III

June

Care R

June 1 -

June 2 IIII - IIII IIII

" - 3 IIII

15

May 26 - IIII

May 27 IIII II

May 28 - IIII II

Burton Chester R

May 29 - II - IIII

" - 30 - IIII II

June IIII

- Care R

June 1 - IIII

June 2 - IIII IIII

" - 3 IIII

6

9

47 L.F. 902 4 yds Charcoal anthracite

May 27 - IIIII

May 28 - IIIII

21

Burton Chests R

May 29 II —

IIII

"-31- IIIII

June - 1 Care R

June 1 - IIIII Care >

June 2 - IIIII IIIII 14

"-3 IIIII

84 955 5 yds

May 31 - IIII

June IIII

Care R

June IIII 7

June 2 -

"-3

78 772-4 yd

May 31 ~~||||~~

June - ||||

Cares R

June 1 - |||| 4

June 2 - ~~||||~~ |||| 14

"-3

8.K. 836 4 yd

May 31 - ~~||||~~ ||||

June - ||||

Cares R

June 1 - |||| 4

June 2 ~~||||~~ |||| 14

"-3 ||||

78 392 4 yds

May 31 - ~~|||||~~June 1 - ~~|||||~~June 1 - ~~||||~~

June 2

11 3 - ~~||||~~

Parse R

4

57

204 yds

78 771

4 yds

Carr

July 2

"-3

~~|||||~~ ~~|||||~~ ~~|||||~~

|||

14

-

177' base

31

4

124

1

125

Chardonnay Kirtland

771

4 yd

June 3 - IIIII 1

June 4 - IIIII 1

airborn

June 4 - IIII

11-5 - IIIIIII - 12

11-7 - IIIII

Chardonnay Kirtland

886

4 yd

June 3 - IIIII

airborn

June 4 - IIII

11-5 - IIIIIII - 11

11-7 - IIIII

51

Charcoal Kirtlin

> 0

883

4-29

June 3 - III-III 1

June 4 III-III 1

auburn

July 4 - III

" 5 -

" - 7

III

Charcoal Kirtlin

> 0

776

3 1/2

June 3 - III-III

auburn

June 4 -

" 5 -

" - 7

III-III

52

Chardon Kirtlin

> 0

892

4 yd

June 3 - IIIII

June 4 - IIIII

Auburn

June 4 - III

11-5- IIIII

>

11-7- |

Chardon Kirtlin

G.F

702

4 yd

June 3 - IIIII

June 4 - |

Auburn

June 4 -

11-5-

53

Chardonnay Kestlin

SK

732

4 yd

June 3-

|||||

June 4-

" 5-

" 7

Chardonnay Kestlin

75

772

4 yd

June 3-

|||||

June 4

|||||

Arbutum

June 4-

||

" 5-

|||||

11

" 7-

||||

54

Chardonnay Kirtlin

72

392

4 yd

June 3-

|||||

" 4

June 4-

" 5

" 7

auburn

Chardonnay Kirtlin

842

3 1/2 yd

June 3

|||||

June 4

|||||

June 4-

|||

" 5-

|||||

||

" 7-

|

auburn

Chardam Kuthun
7.C. 887

June 3 III -100 824 111

June 4 - ~~IIII~~ IIIII

IIII

June 4 - III -

" 5 - ~~IIII~~ II

" 7 - ~~IIII~~ II

anferm 18

12

8. 101

Chardam Kuthun
5 yd

June 4 - II

- 67 59
4

236

3

239

June 9 - III -

" 5 - ~~IIII~~ III - 13 - 27 11 - 315 1/2

" 7 - ~~IIII~~ II

- 69 -

258

659

anferm 19

21 made 96 1/2

yd

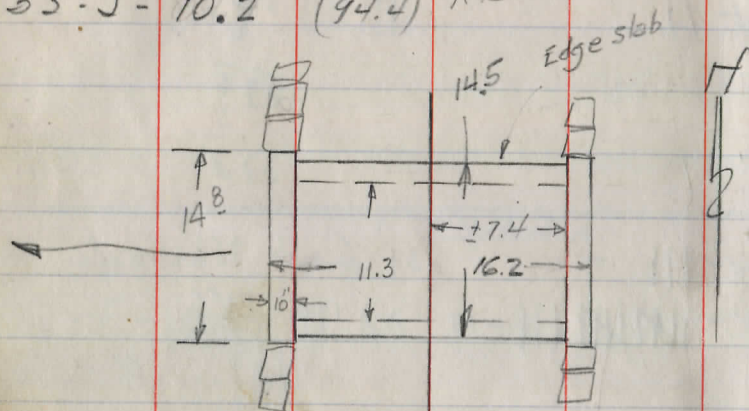
yd

yd

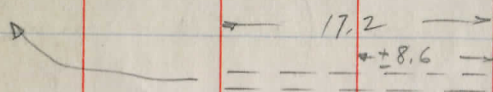
56

53-J-S-H Begin 94.2

53-J-10.2 (94.4) Marked



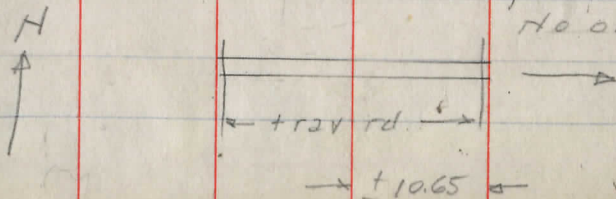
53-J-0.3 (94.5)



53-J end 0.5 (94.7)

53-K Beg. " S to H

53-K-0.15 (94.85)

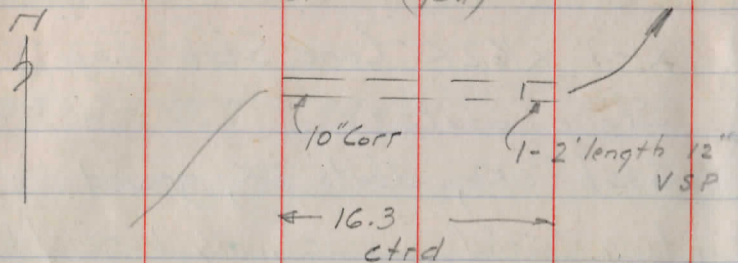
plowed field
No outlet

6-8-45

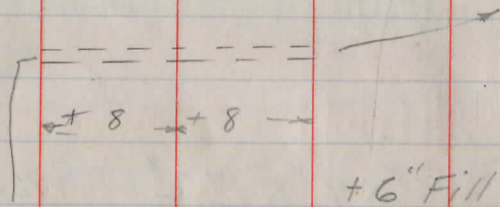
Pomerooy
Hall - Caulfield11.3 x 4.1 x 16.2 x Conc. Slab Top
Stone abuts.Slab OK, abuts OK, ground
Footing = solid, practically bare slab -
i.e. no fill, W end S abut. undermining
slightly6" x 9" x 17.2' Wood Box
± 1' Fill ^{OK} ~~seems to be operating~~12" x 21.3' V.S.P.
± 15" fill W tile broken

57 53-K-35 Small Δ Rt

53-K-0.4 (95.1)



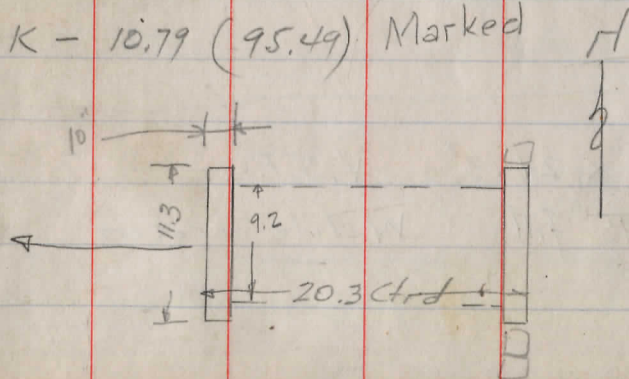
53-K-0.48 (95.18)



15x12x16' Wood Box (Rotten)

53-K-0.5 Δ Lt

53-K-10.79 (95.49) Marked



10" x 16.3' Corr. Pipe

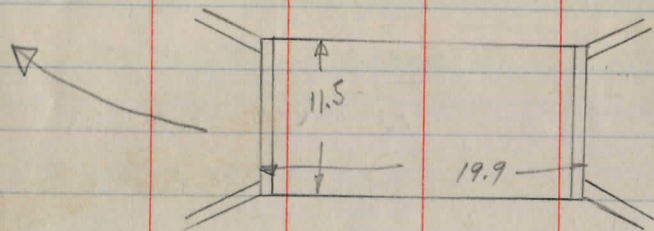
9.2 x 4' x 20.3 Conc. Slab top
Stone abut Good ground
footing, slab OK abuts OK
+ 6" Fill

58

53-K-

(95.7) Δ Rt

53-K-11.02 (95.72)



N.

End 53-K-

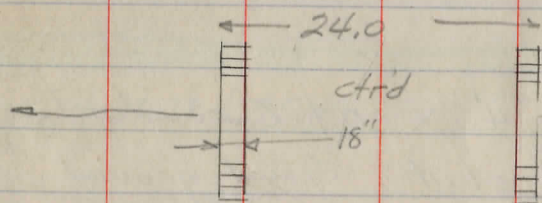
(95.84)

Begin 53-L

(95.84) S to H

53-L-10.16

(96.00) Marked



Conc. barrel stone hdwls (stepped)

± 6" Fill good ground bearing.

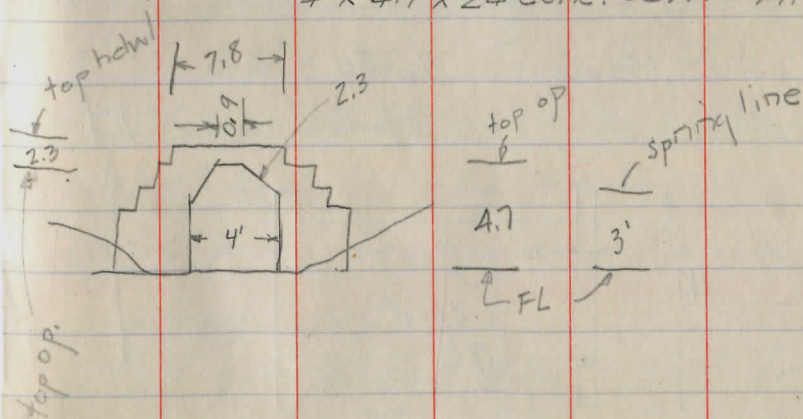
Exc. cond (only recently const.)

9.2' x 3.2' x 19.9' Conc. Slab Top.
 Stone abuts. extended ± 3' on W
 with conc & ± 2' on E with conc.

Slab - OK, abuts OK, 5' wings

② 45° ± 12" fill exc. ground bearing
 23" = top op. to top hdwls

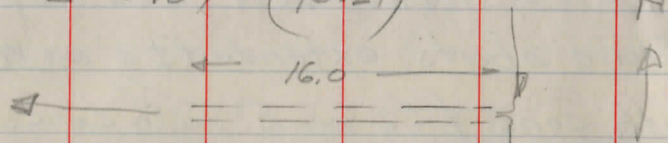
4' x 4.7' x 24' Conc. Semi-Arch



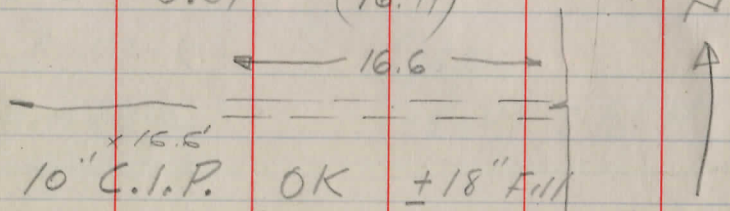
59

53-L 96.1 small A Lt

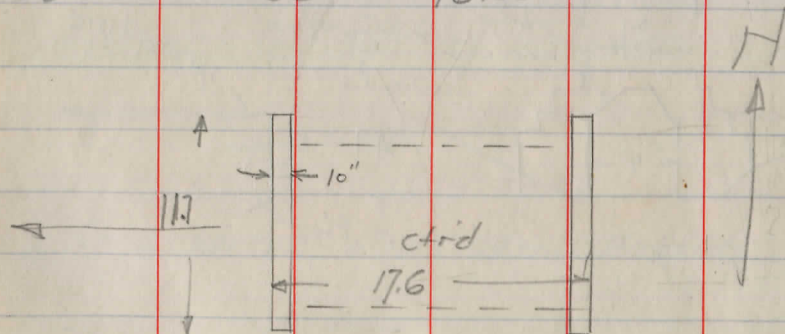
53-L 0.37 (96.21)

18" sq. Wood box OK
+ 4" Fill

53-L 0.57 (96.41)

10" C.I.P. OK + 18" Fill
Good fall

53-L - 10.66 96.50



53-L - 0.84 (96.68)

6.68
95.84
0.84

8" x 23.9' C.I.P. (Sectional)
+ 18" Fill outlet for ± 30
needs cleaning

9' x 3.6' x 17.6' Conc. Sb Top.

Stone abuts

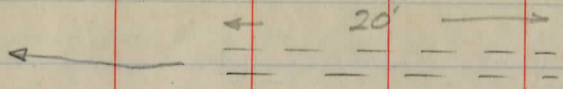
25" top up to top hdwl
+ 8" Fill bearing OK Slab OK

abuts OK

Slab overhangs abuts ± 10" both
sides

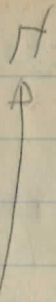
60

53-L-0.95 (96.79)

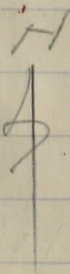
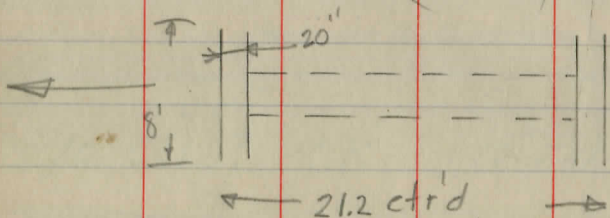


15" x 20' Corr. I.P.

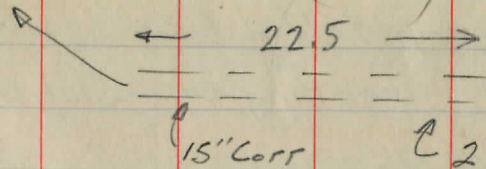
Fill = 0.0 Eterly 2' ruffed open
by graders



53-L-11.21 (97.05)



53-L-1.32 (97.16)



15" Corr 2 lengths
15" V.S.P.

OK except $\pm 100'$ outlet channel
needs cleaning

Should be lowered $\pm 6''$
prob. adequate fall in 100'

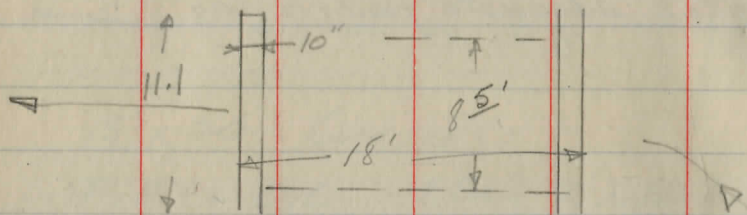
34" x 22" x 21.2 Stone Culvt

O.K.

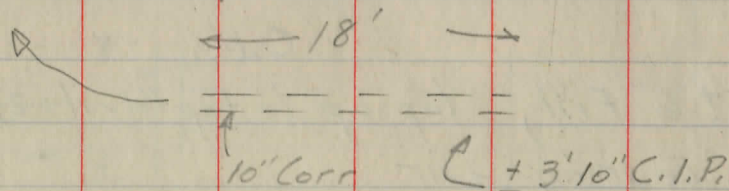
$\pm 6''$ Fill, top op to top of dowl = 27"
bearing fair

61.

53-L-11.56 (97.40)

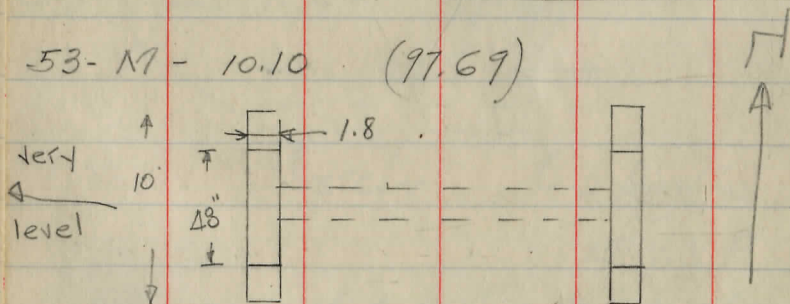


53-L-11.57



End 53-L (97.59) Begin 53-M

53-M-10.10 (97.69)



8.6' x 28" x 18.0. Conc. Sb. Top

top of to to hdwl 25", $\pm 6"$
fill, Sb. OK W end H about
poor (slab overhangs $\pm 2'$)
E hdwl. overhangs $\pm 6"$ (built
that way) bearing OK

Corr. I.P. badly rusted

$\pm 14"$ Fill $\&$ lower here
than $\textcircled{2}$ 53-L-11.56

Stop

38" x 26" x 17.2 conc. Sb Top.

Stone abut.

0.0 Fill conc. form still in

abuts OK bearing OK

$\&$ north $\pm 2.5'$ lower than
 $\textcircled{2}$ culv

62

53 - M7-0.29 (97.88)

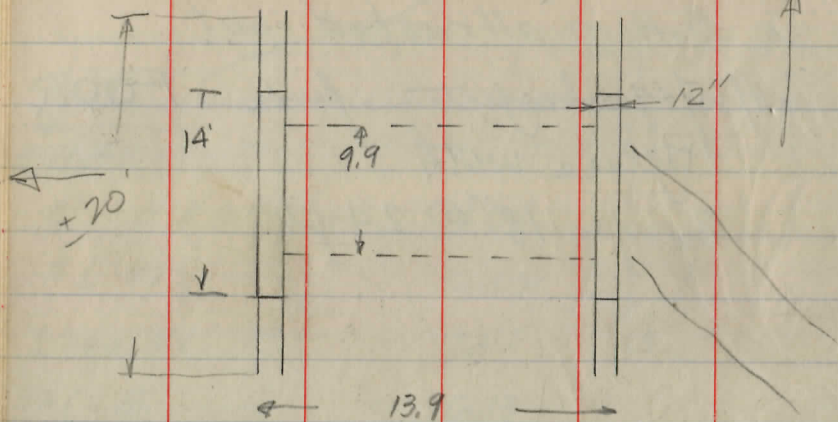
	← 16.0 →		N
Very	-----		
+lat	-----		
± rd ± culvt		4.04	
FL W		6.02	
± 200 W		7.45	
FL E		6.13	
± 100 H ±		4.61	
" " " W ditch		6.13	
" " " E "		6.32	
± 200 H ±		4.66	
" " E ditch		5.91	
" " W "		5.91	
± 100 S ±		3.66	
" " E ditch		5.66	
± 200 S ±		3.65	
" " E ditch		5.33	
± 360 S E "		4.87	

24" X 16.0 Corr. I.P.
 Bottom all rusted out
 H/15/49 = Inspection finds POOR
 Replace with
 2 pipes 18" @ 24 ft.

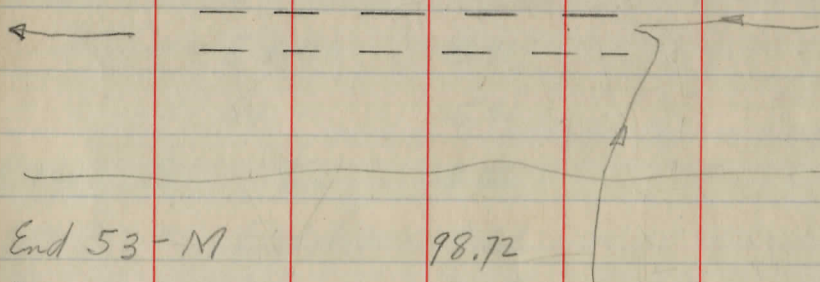
63

Marked Head E Hdwl

53-M-10.81 (98.40)



53-M-1.13 (98.72)



End 53-M 98.72

Beg 53-M 98.72

53-M-10.13 (98.85) Marked

7.5' x 3'6" x 19.8 Conc. Sb. Top.

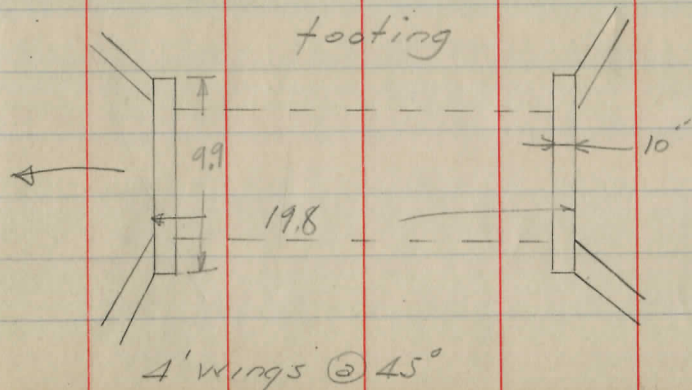
Stone abuts. top of to top hdwl 26"

0.0 Fill Sb. OK abuts & wings
pool (undermined)

9.9 x 51" x 13.9 Conc. Sb Top
 Stone abuts with $\pm 10''$ conc.
 risers 2" pipe railing
 top of to top hdwl 24", $\pm 10''$
 Fill - Rocky creek bed
 W hdwl cracked (poured after
 floor) slab OK abuts OK

18" x 32.6 Conc. pipe
O.K.

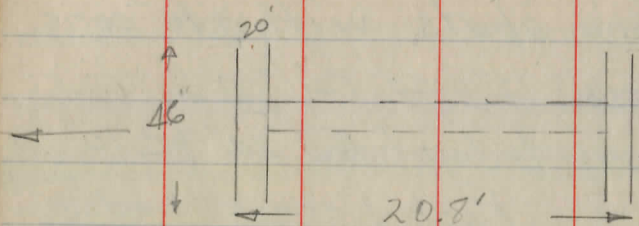
4' conc. ext on W end of H abut. is
 badly undermined; all wings under
 mined & W end S abut. Shale
 footing



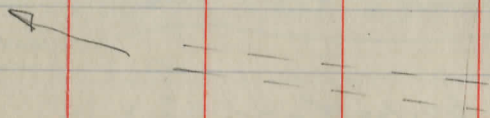
64

Marked

53-N-10.26 (98.98)



53-N-0.28 (99.00)



End 53-N (99.35) Co. line

21" x 16" x 20.8 Stone

3/4 full H₂O outlet needs cleaning
 ± 125' Wly, looks ok, ± 6" fill
 cap stone + 1 header stone

18" x 23" x 16.0 plank culvert
 open top ok

65

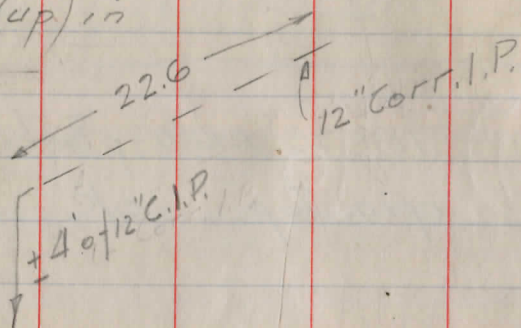
Begin 50-A

(3.00) W to E

" "

(3.25) Δ Rt

50-A-0.37 (3.37)

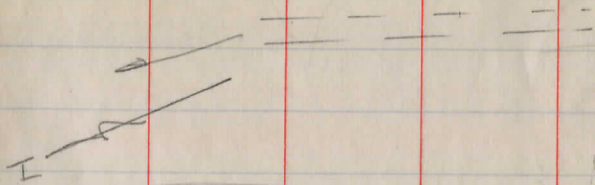
Big bend (up) in
center Δ Rt

3.48

50-A-0.58 3.58

15" x 10" x 16' Wood box Fair

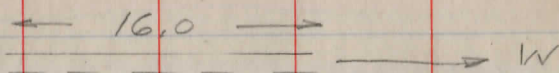
2" cover

Sharp Δ

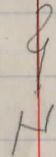
3.65

6-8-45

50-A-0.73 3.73

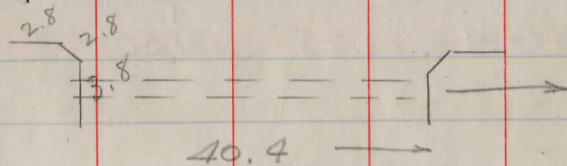
12" Corr. l.P.
bottom rusted out &

+ 8" FIN



50-A-10.95 3.95 Marked

15" x 40.4 Corr. l.P.

15" x 40.4² Stand. side rd. culvt OK

End

50-A

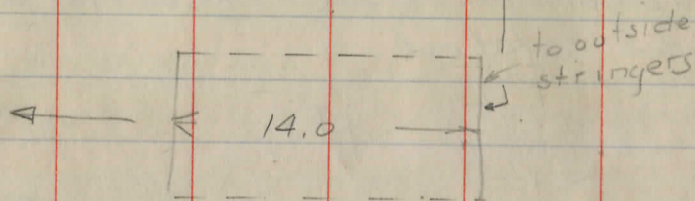
(3.95)

66 Begin
51-A

(4.55) W to E

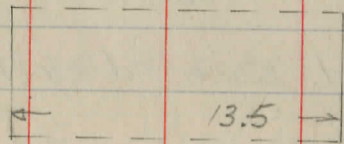
51-A - 10.09

(4.64)



~~I~~

51-A - 10.25 (4.80)



End 51-A

4.85

9' x 3' x 14.0 plank bridge
Stone abuts - OK, plank OK
8, 12" x 2" stringers

8.7 x 30" x plank bridge
Stone abuts (north sliding in)
South pool

8, 8" x 2" stringers
± 2" cover
planks fair

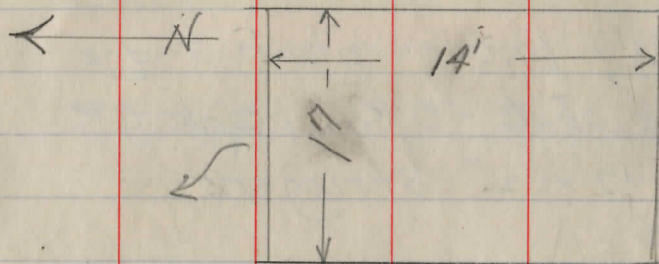
67

S.R.

52 A W-E Begin 27.8
Valentine Road

52-A - 10.2

28.0



End 28.7

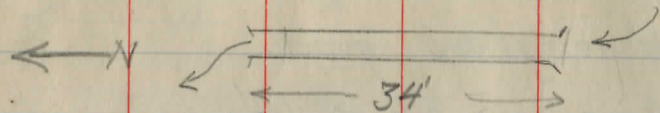
Wood - oak plank - good cond.
(girders) 9' - 2½" x 10"
Stone abuts good
Opening 3'6" x 12'
2½" plank floor 2" fill

60
43 A W-E 33.22

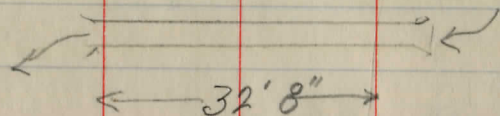
Moseley Rd

43-A .18 A Rt 33.40

43-A 10.18



43-A-10.50 33.72



43-A .63 A Lt 33.85

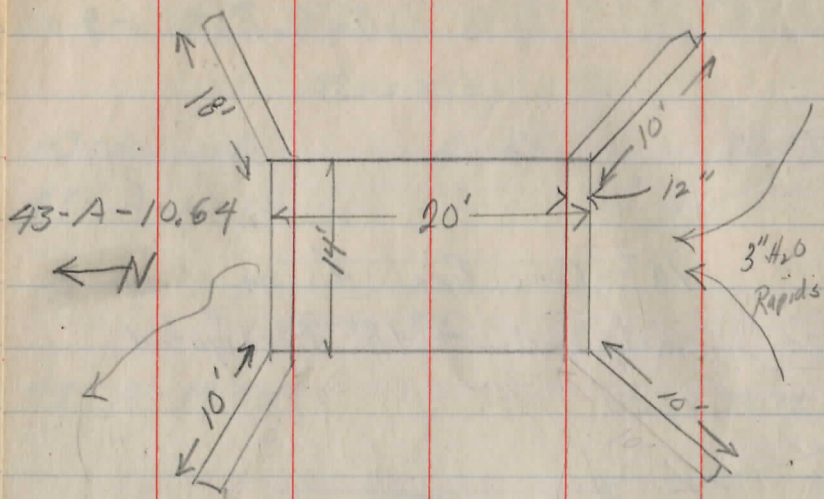
43-A-10.64 Mkd 33.86

Hall-Canfield 6-9-42

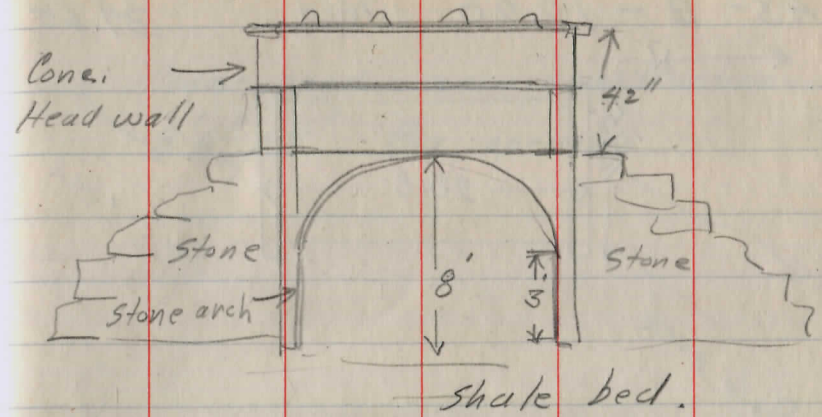
18" - Conc. Pipe 4' on
each end - 18" Corrugated
open

24" Conc. Tile open - good
Stone head walls

→ for detail see next
page



43-A- 10.70	Δ Rt	
43-A-1.90	Δ Rt	34.14
43-A-.96	Δ Lt	34.18
<hr/>		
43-B-.0	Wilber Rd	34.45

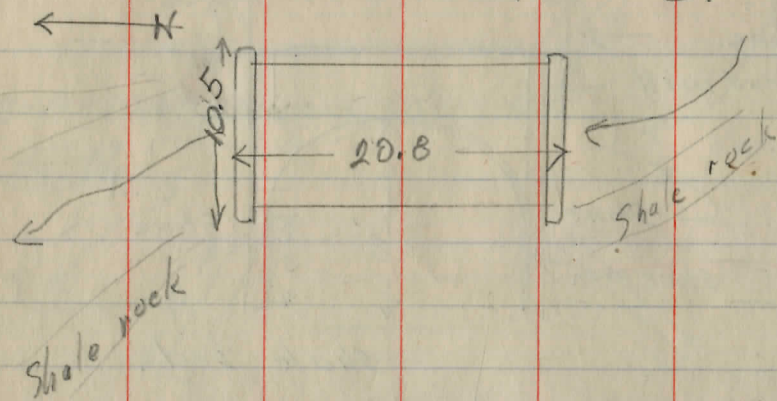


North Elevation:
22" fill

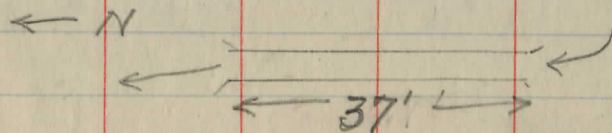
70

34.45

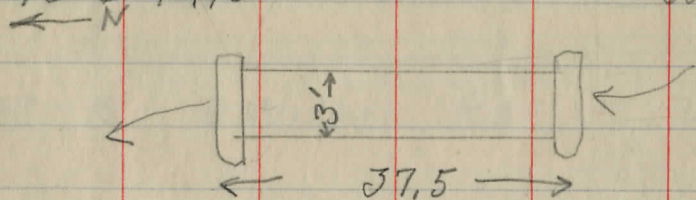
43-B-10.20 Mkd 34.65



43-B-10.64 Δ Rt 35.29



43-B-10.95 35.48



43-B-1.10 Dewey-Deming 35.55

Cone - good - new construction
8'6" x 4' Box opening.

14" Cone pipe open
4' x 2' x 2' Head walls stone
16" fill

Diam.
3' Corrugated Pipe
good condition
24 x 24 x 6' Stone
headwalls

71

43-C - Dewey - Deming Rd

D

35.55

← N

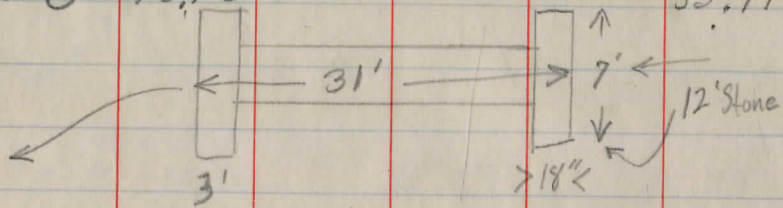
43-C-10,00+ (50')

35.55

← 37' →

43-C-10,16

35.71



43-C-1,21

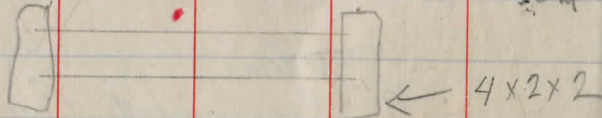
Δ Lt

35.76

43-C-10,27

?

35.82



15" cone tile good

Clear - Stone - north end -

Stone ^{spits.} concrete slab 10'

Plank floor

← Opening 3'6" x 3'

12" fill

Stone box 20" x 28"

12" Stone floor - fair cond. -

6" fill

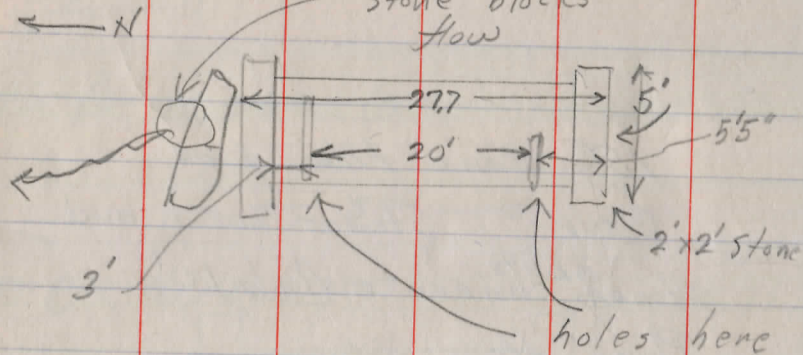
72

43-C-10,35

-Mkd-

35,90

Stone blocks
flow



Stone box 22"-40" ?

(Needs repair)

9" Conc. Slab → 7' x 20'

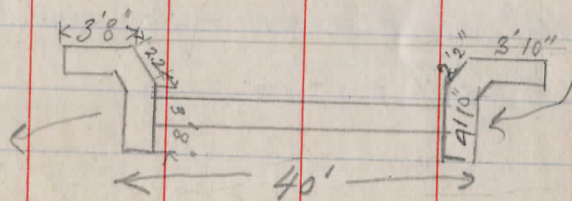
3" fill

need repair

43-C-10.55

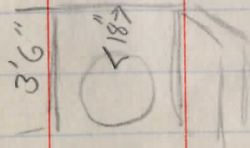
R 528

36,10



24' Vit. tile

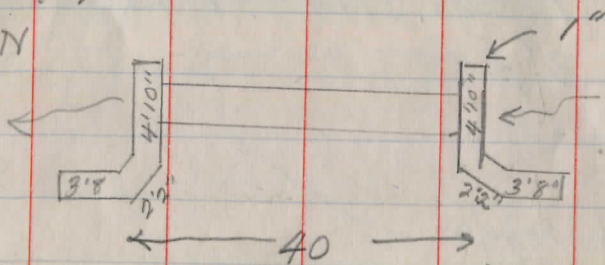
10" fill



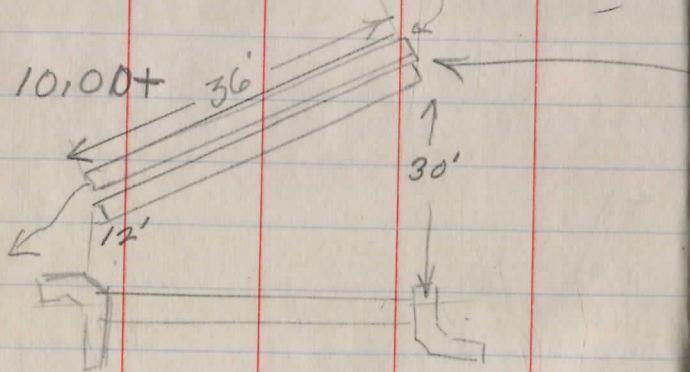
43-D-10.00 - R528 Start 37.0

43-D-10.00

← N

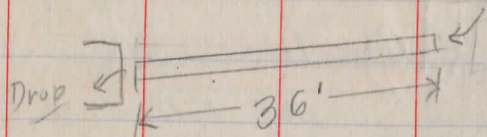


43-D-10.00+



43-D-10.10

37.10



Similar to 43-C-10.55

Conc. Head walls

24' Vit. tile

Good new const.

Two - 21" Corrugated Pipe

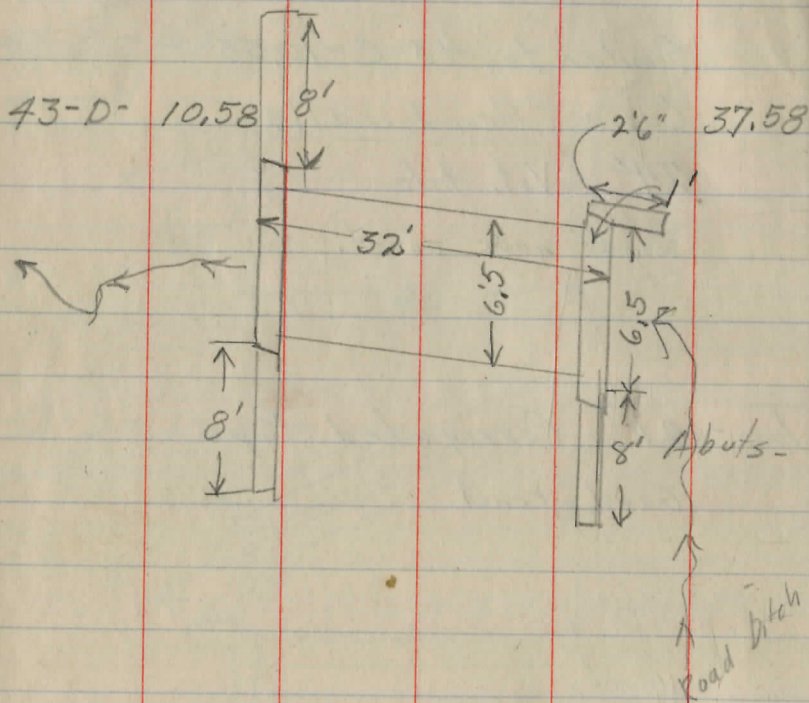
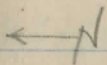
Good cond.

18' Corrugated Pipe good
18" Fill

74

W-E

37.00

43-D- 10.69

39'

37.69

43-D- x72 Underhedge Rd 37.72
 End - Mosley

10" Conc Slab - Concrete
 4'6" x 4'6" opening - good
 new -
 0.0 Fill -

18' Corr. Pipe good
 12" Fill

75

48-A

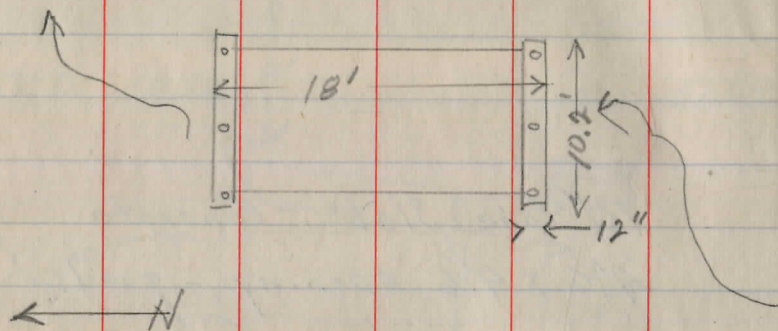
W-E

38.50

Stacking Rd.

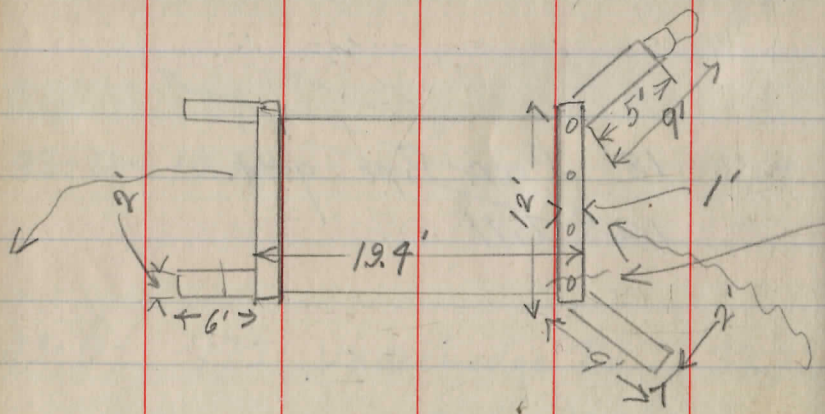
48-A-10.45

38.95



48-A-10.48

38.98



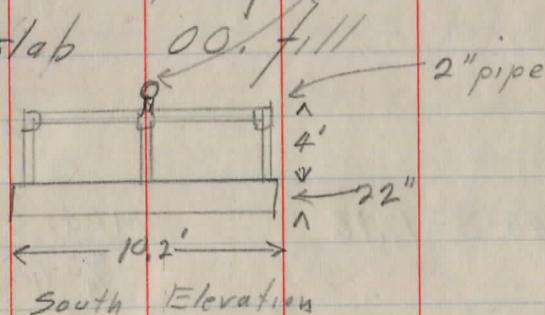
Abuts →

Concrete on old stone (sig. light)

6'6" x 4' Opening

10" slab

00. fill

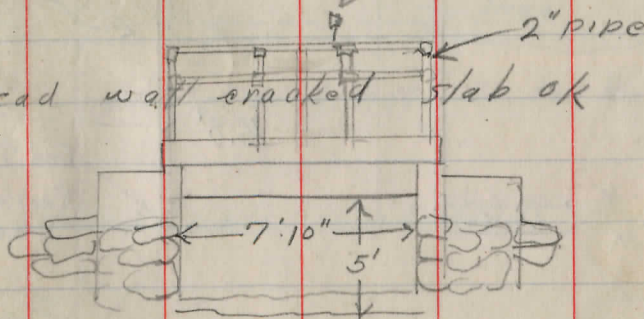


South Elevation

Conc. on old stone Abuts

Sig. light 1/2 missing

head wall cracked slab ok



South Elevation

76

76
65
13

39.65

48 B-.00 Green-Sidley Rd

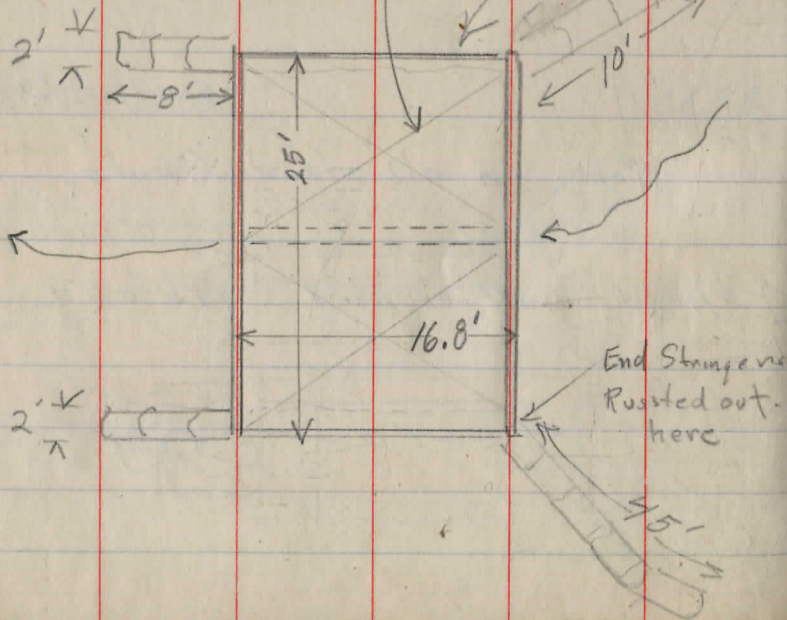
48-B-.05 Chapin Rd 39.70

39.78

48-B-10.13

Mkd.

$\frac{3}{4}$ " fire rods



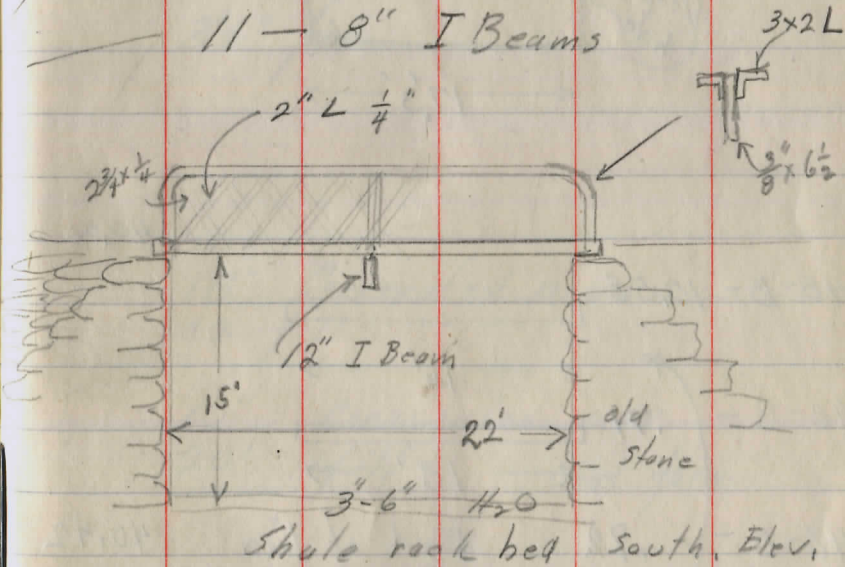
11-8' I

1-17' I

needs new rails - parts good,

Oak Plank Floor $2\frac{1}{2}$ " Good Cond.

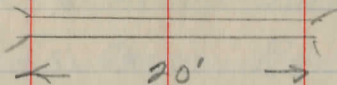
11-8" I Beams



Stone abuts - good cond.

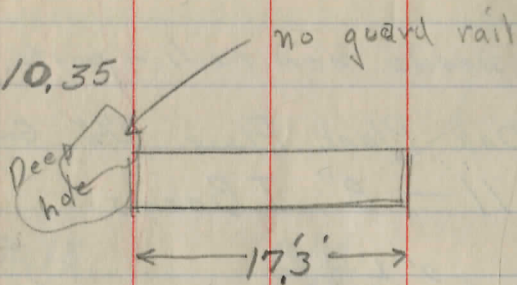
48-B-.25

39.90



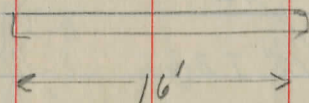
48-B-10.35

40.00

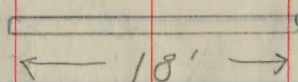


40.20

48-B-10.55



48-B-.71

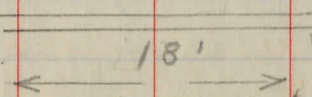


48-B-.72

End of line

40.42

48-B-.69



12" Corrugated Pipe
at top of hill?

Old stone box
21" x 32"
3'6" fill

18" Corrugated pipe
60. fill

10" Corrugated pipe
20' fill Goat farm

12" Corrugated
Rusted out both ends
8" fill

ambush

140

yds

110

"

109

"

100

"

659

"

Cour R

1/2 m 31 } Soaks

1/2 m 61

112
4
448
446
68

1 1/4 ami 314

20

1 1/2 " 384

1 3/4 " 88

20 672

Total 128
795 yds

Chardun Kerting

61
4
241
6
238
430
513

Total 624 yds

50 at Pa truck

1/4 m 100 yds - 93 yds

1/4 " " " - 97

1/4 " " " 104

1/4 " " " 102

1/4 " " " m

1/4 " " " 101

1/4 " " " 110

1/4 " " " 72

1/4 " " " 103

1/4 " " " 43

Total 782
43
825 yds

Chardun Kerting
Munster

Burton Chert

1/4 " " 112

1/4 " " 109

1/4 " " 109

1/4 " " 85

1/4 " " 90

34.18
33.22
90

120

625

80

97

Total 802 yds

1270 15 mds

441
3.22
1.19

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NEW YORK.

CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

"Copyright, 1895, by Keuffel & Esser Co."

0	.1	.2	.3	.4	.5	.6	.7	.8	.9
---	----	----	----	----	----	----	----	----	----

0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.6	10.7	10.8	10.9	0
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
3	12.0	12.1	12.2	12.3	12.4	12.5	12.7	12.8	12.9	13.0
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9
8	17.0	17.1	17.2	17.3	17.4	17.5	17.7	17.8	17.9	18.0
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9
12	21.0	21.1	21.2	21.3	21.4	21.5	21.7	21.8	21.9	22.0
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9
22	31.0	31.1	31.2	31.3	31.4	31.5	31.7	31.8	31.9	32.0
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9
32	41.0	41.1	41.2	41.3	41.4	41.5	41.7	41.8	41.9	42.0
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9

Calculated by Julien A. Hall, M. Am. Soc. C. E.

336
8
328

47
200
200

836

3.422222

99.35
8.72
x63

31
724
400
524
11
513
505
H

202
112
25
12

117
4
468

55.53
28.58
42.1

Kentland
3.91
233
624

8.57
9
2.92
4.67

7.46
67.5
11

3/3

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